STIC Search Report
EIC 2600

USPTO

STIC Database Tracking Number: 134903

TO: Lun See Lao
Location: CPK2 8C48
Art Unit: 2643
Wednesday, October 13, 2004

Case Serial Number: 09/462355

From: Pamela Reynolds
Location: EIC 2600
PK2-3C03
Phone: 306-0255

Pamela.Reynolds@uspto.gov

Search Notes

Dear Lun-See Lao

Please find attached the search results for 09462355. I used the search strategy I emailed to you to edit, not hearing from you I proceeded. I searched the standard Dialog files, IEEE, and the internet.

If you would like a re-focus please let me know.

Thank you.

sira
Search and Information Resources Administration

(2)

Access DB# 134903

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: LUN-SEE LAO Examiner #: 78943 Date: 10/12/04
Art Unit: 2643 Phone Number 30 Serial Number: 09/462,355
Mail Box and Bldg/Room Location: 8C48 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: METHOD AND APPARATUS FOR FORMATTING THE DIGITAL AUDIO SIGNAL FOR USE OF THE SOUND
Inventors (please provide full names): PIERRE PICCALUGA, L'ISLE D'ABEAU,

Earliest Priority Filing Date: 07/07/1997

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

To reduce the distortion of speaker membrane by doubling the frequency of the signal.
See spec, page 1, line 35 – page 2, line 5.

file attached

****

STAFF USE ONLY	Type of Search		Vendors and cost where applicable	
Searcher: Pamela Reynolds	NA Sequence (#)		STN	
Searcher Phone #: 306-0255	AA Sequence (#)		Dialog	✓
Searcher Location: PK2 3C03	Structure (#)		Questel/Orbit	
Date Searcher Picked Up: 10/13/04	Bibliographic	✓	Dr.Link	
Date Completed:	Litigation	✓	Lexis/Nexis	
Searcher Prep & Review Time:	Fulltext	✓	Sequence Systems	
Clerical Prep Time:	Patent Family		WWW/Internet	✓
Online Time:	Other		Other (specify)	✓

PTO-1590 (8-01)

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File 344:Chinese Patents Abs Aug 1985-2004/May
         (c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/Jun(Updated 041004)
         (c) 2004 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2004/Oct W01
         (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20041007,UT=20040930
         (c) 2004 WIPO/Univentio
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200465
         (c) 2004  Thomson Derwent

Set     Items   Description
S1         99   AU=(PICCALUGA, P? OR PICCALUGA P?)
S2          2   S1 AND DIGITAL()AUDIO()SIGNAL?
```

2/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01026375
METHOD AND APPARATUS FOR FORMATTING THE DIGITAL AUDIO SIGNAL FOR USE OF THE SOUND REPRODUCTION
VERFAHREN UND VORRICHTUNG ZUR FORMATIERUNG VON NUMERISCHEN TONSIGNALEN ZUR ANWENDUNG BEI TONWIEDERGABE
PROCEDE ET APPAREIL POUR FORMATER LE SIGNAL AUDIO NUMERIQUE POUR L'USAGE DE LA REPRODUCTION SONORE
PATENT ASSIGNEE:
Perrichon, Claude Annie, (1408891), 6, rue des Escoffiers, 38080 L'Isle d'Abeau, (FR), (Proprietor designated states: all)
Charbonneaux, Marc, (2490110), 6, rue Dumenge, 69004 Lyon, (FR), (Proprietor designated states: all)
Piccaluga, Pierre, (1044613), 6, rue des Escoffiers, 38080 L'Isle d'Abeau, (FR), (Proprietor designated states: all)
INVENTOR:
PICCALUGA, Pierre , 6, rue des Escoffiers, F-38080 L'Isle d'Abeau, (FR
LEGAL REPRESENTATIVE:
Cabinet Hirsch (101611), 34, Rue de Bassano, 75008 Paris, (FR)
PATENT (CC, No, Kind, Date): EP 995336 A1 000426 (Basic)
EP 995336 B1 011219
WO 9903303 990121
APPLICATION (CC, No, Date): EP 98935101 980706; WO 98FR1437 980706
PRIORITY (CC, No, Date): FR 978822 970707
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: H04R-003/04
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): French; French; French
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200151	274
CLAIMS B	(German)	200151	259
CLAIMS B	(French)	200151	273
SPEC B	(French)	200151	1307
Total word count - document A			0
Total word count - document B			2113
Total word count - documents A + B			2113

METHOD AND APPARATUS FOR FORMATTING THE DIGITAL AUDIO SIGNAL FOR USE OF THE SOUND REPRODUCTION
INVENTOR:
PICCALUGA, Pierre ...

...CLAIMS B1
1. Method for formatting a **digital audio signal** for controlling at least one electro-acoustic transducer from an original digital signal, of an...

2/3,K/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012292247 **Image available**
WPI Acc No: 1999-098353/199909

XRPX Acc No: N99-071652

Digital audio signal formatting method taking transducer characteristics into account - modifying original signal by sampling to produce copies at e.g. four times frequency, then reformatting audio before amplification

Patent Assignee: CHARBONNEAUX M (CHAR-I); PERRICHON C A (PERR-I); PICCALUGA P (PICC-I)

Inventor: **PICCALUGA P**

Number of Countries: 084 Number of Patents: 015

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
FR 2765765	A1	19990108	FR 978822	A	19970707	199909	B
WO 9903303	A1	19990121	WO 98FR1437	A	19980706	199910	
AU 9884466	A	19990208	AU 9884466	A	19980706	199924	
NO 200000051	A	20000302	WO 98FR1437	A	19980706	200022	
			NO 200051	A	20000106		
EP 995336	A1	20000426	EP 98935101	A	19980706	200025	
			WO 98FR1437	A	19980706		
CN 1262856	A	20000809	CN 98807001	A	19980706	200055	
JP 2001510287	W	20010731	WO 98FR1437	A	19980706	200148	
			JP 2000501631	A	19980706		
KR 2001021558	A	20010315	KR 2000700116	A	20000107	200159	
BR 9815508	A	20011106	BR 9815508	A	19980706	200175	
			WO 98FR1437	A	19980706		
EP 995336	B1	20011219	EP 98935101	A	19980706	200206	
			WO 98FR1437	A	19980706		
DE 69803074	E	20020131	DE 603074	A	19980706	200216	
			EP 98935101	A	19980706		
			WO 98FR1437	A	19980706		
ES 2170511	T3	20020801	EP 98935101	A	19980706	200263	
IL 133898	A	20030112	IL 133898	A	19980706	200317	
AU 759981	B	20030501	AU 9884466	A	19980706	200339	
RU 2218674	C2	20031210	WO 98FR1437	A	19980706	200412	
			RU 2000102904	A	19980706		

Priority Applications (No Type Date): FR 978822 A 19970707

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2765765	A1		9	H04R-003/04	
WO 9903303	A1	F			

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9884466	A				Based on patent WO 9903303
NO 200000051	A			H04R-000/00	
EP 995336	A1	F		H04R-003/04	Based on patent WO 9903303

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

CN 1262856	A			H04R-003/04	
JP 2001510287	W		11	H04R-003/04	Based on patent WO 9903303
KR 2001021558	A			G11B-020/12	
BR 9815508	A			H04R-003/04	Based on patent WO 9903303
EP 995336	B1	F		H04R-003/04	Based on patent WO 9903303

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DE 69803074	E			H04R-003/04	Based on patent EP 995336
					Based on patent WO 9903303

ES 2170511	T3	H04R-003/04	Based on patent EP 995336
IL 133898	A	H04R-003/04	Based on patent WO 9903303
AU 759981	B	H04R-003/04	Previous Publ. patent AU 9884466 Based on patent WO 9903303
RU 2218674	C2	H04R-003/04	Based on patent WO 9903303

Digital audio signal **formatting method taking transducer characteristics into account...**

Inventor: **PICCALUGA P**

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File   2:INSPEC 1969-2004/Oct W1
         (c) 2004 Institution of Electrical Engineers
File   6:NTIS 1964-2004/Oct W1
         (c) 2004 NTIS, Intl Cpyrght All Rights Res
File   8:Ei Compendex(R) 1970-2004/Oct W1
         (c) 2004 Elsevier Eng.  Info. Inc.
File  34:SciSearch(R) Cited Ref Sci 1990-2004/Oct W1
         (c) 2004 Inst for Sci Info
File  35:Dissertation Abs Online 1861-2004/Sep
         (c) 2004 ProQuest Info&Learning
File  62:SPIN(R) 1975-2004/Aug W3
         (c) 2004 American Institute of Physics
File  65:Inside Conferences 1993-2004/Oct W2
         (c) 2004 BLDSC all rts. reserv.
File  94:JICST-EPlus 1985-2004/Sep W2
         (c)2004 Japan Science and Tech Corp(JST)
File  95:TEME-Technology & Management 1989-2004/Jun W1
         (c) 2004 FIZ TECHNIK
File  99:Wilson Appl. Sci & Tech Abs 1983-2004/Sep
         (c) 2004 The HW Wilson Co.
File 144:Pascal 1973-2004/Oct W1
         (c) 2004 INIST/CNRS
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File 603:Newspaper Abstracts 1984-1988
         (c)2001 ProQuest Info&Learning
File 483:Newspaper Abs Daily 1986-2004/Oct 12
         (c) 2004 ProQuest Info&Learning

Set     Items   Description
S1       3003   (ELECTRO-ACOUSTIC OR ELECTROACOUSTIC)(3N)TRANSDUCER?
S2      82309   SPEAKER OR LOUDSPEAKER? OR (LOUD OR AUDIO)()SPEAKER??
S3       1081   DIGITAL(3N)SOUND?(3N)SIGNAL?
S4       1117   ORIGINAL(3N)SIGNAL? AND (COPIES OR COPIED OR SAMPL?)
S5         78   S1 AND MEMBRANE?
S6     693847   (DOUBL? OR RAIS? OR HEIGHT? OR INCREAS? OR HIGHER) AND FRE-
             QUENC?
S7       4675   (REDUC? OR COMPENSAT? OR CONTROL? OR MANAG? OR CHANG? OR A-
             LTER? OR MODIF? OR ADJUST? OR CORRECT? OR MITIGAT?)(3N)(RUNAW-
             AY? OR TRAIL?()EFFECT? OR INERTIA)
S8      28140   (SOUND OR AUDIO)(3N)(REPRODUC? OR RECORD?)
S9        114   AU=(PICCALUGA, P? OR PICCALUGA P?)
S10        61   FORMAT? AND S3
S11         0   S5 AND S7
S12        84   S4 AND S6
S13         0   S12 AND S7
S14         2   S12 AND S8
S15         2   RD S14 (unique items)
S16         2   S10 AND S6
S17         1   S16 NOT S14
S18         0   S9 AND S1
S19         0   S9 AND S3
S20       535   (S1 OR S2) AND  MEMBRANE?
S21        51   S20 AND S6
S22         0   S21 AND S7
S23         0   S21 AND RUNAWAY
S24         0   S21 AND INERTIA
S25         0   S20 AND S4
S26        23   S20 AND S8
```

S27	23	S26 NOT (S16 OR S14)
S28	18	S27 NOT PY=1998:2004
S29	18	RD S28 (unique items)
S30	1	(S1 OR S2) AND S7
S31	0	S30 NOT ATM

15/3,K/1 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

02545918 JICST ACCESSION NUMBER: 95A0421521 FILE SEGMENT: JICST-E
Innovative digital filter interpolation provided in Pioneer's CD player and DAT deck. Signal generation and spectrum of legato link conversion S.
SAWADA SHIGETOSHI (1); YAMADA TOMOYASU (1); NISHIKAWA KAZUO (1)
(1) Pioneer Electron. Corp.
Rajio Gijutsu, 1995, VOL.49,NO.5, PAGE.133-138, FIG.18
JOURNAL NUMBER: F0256AAA
UNIVERSAL DECIMAL CLASSIFICATION: 621.37:534.85
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

...ABSTRACT: hear by estimating signals of 20kHz or over that must have been present before the **sound** is **recorded** onthe disk based on the **sampling** data actually recorded on the disk and adding them to the original data. In addition to 96kHz High- **Sampling** DAT and LLC concept referenced in developing LLCS, interpolative operation of LLCS integrated into one chip and oeration priciple of **higher** harmonic generation circuit are illustrated. The **higher** harmonic generation circuit estimates the **higher** harmonic that is present in the original **sound** before **recording** but not recorded in the CD format based on the original input data, adding it to **original signals** and leading them to D/A converter. Therefore, the output from this LSI can be directly input into general-purpose DA converter for 20-bit input. Comparing the **frequency** characteristics of the original source with those of the signals regnerated by LLCS and of the signals regenerated by the conventional system, the paper shows that LLCS regenerates very close **signals** to the **original** source.
...DESCRIPTORS: **sound reproduction** ; ...

... **frequency** characteristic
...BROADER DESCRIPTORS: **sound recorder** ;

15/3,K/2 (Item 2 from file: 94)
DIALOG(R)File 94:JICST-EPlus

01557540 JICST ACCESSION NUMBER: 92A0388763 FILE SEGMENT: JICST-E
Development of "Legato Link" Conversion.
YAMADA TOMOYASU (1)
(1) Pioneer Electronic Corp.
Paionia Giho(Pioneer Technical Report), 1992, NO.5, PAGE.39-50, FIG.15, TBL.1, REF.5
JOURNAL NUMBER: L0992AAH
UNIVERSAL DECIMAL CLASSIFICATION: 621.37:534.85
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

ABSTRACT: We studied the nature of the **signal** prior to **recording** (**original sound signal**) and found a significant disparity between the CD player's output waveform and the signal...

...Hence we developed a means applicable to CD player with enables reproduction close to the **original** sounds. The **signal** prior to recording contains an abundantspectrum of **frequency** components exceeding 20kHz though in low level. The nature of signal reveals that it is...

...like waveforms having good transient response in the time axis and amplitude decreases as the **frequency** **increases** , known as the 1/f characteristics, in the **frequencyaxis** . We established a method called "Legato Link" conversion introduced in the D/A system which...

...DESCRIPTORS: **sound** **recording** ; ...

... **sound** **reproduction** ; ...

...signal **sampling** ;

?

17/3,K/1 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

05962111 E.I. No: EIP01526774906
Title: Multiband approach to Digital Audio FX
Author: Fernandez-Cid, P.; Casajus-Quiros, J.
Corporate Source: Universidad Europea de Madrid, 28670 Villaviciosa de Odon, Madrid, Spain
Conference Title: 2000 IEEE International Conference on Multimedia and Expo (ICME 2000)
Conference Location: New York, NY, United States Conference Date: 20000730-20000802
E.I. Conference No.: 58780
Source: IEEE International Conference on Multi-Media and Expo n III/WEDNESDAY 2000. p 1747-1750 (IEEE cat n 00TH8532)
Publication Year: 2000
Language: English

Abstract: New **formats** for digital audio with enhanced resolution and sampling **frequency** make the limits of traditional approaches to audio effects noticeable. The processes applied during audio production and postproduction for media can be advanced to a **higher** level of quality thanks to a multiband approach to Digital Audio FX. Also completely new... ...DAFX. Benefits of a combined multieffect and multiband design are also addressed, which include an **increase** of quality and new non-previously available effects. 5 Refs.
Descriptors: **Digital signal** processing; **Sound** recording; **Signal** to noise ratio; Signal distortion; Waveform analysis; Computer simulation
?

29/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

5150218 INSPEC Abstract Number: B9602-6450-004
Title: Space-saving fibre-free absorber for studio acoustics
Author(s): Zha, X.; Fuchs, H.V.
Author Affiliation: Fraunhofer Inst. of Constr. Phys., Stuttgart, Germany
Journal: ITG-Fachberichte Conference Title: ITG-Fachber. (Germany) no.133 p.211-16
Publisher: VDE-Verlag,
Publication Date: 1995 Country of Publication: Germany
CODEN: ITGFEY ISSN: 0341-0196
SICI: 0341-0196(1995)133L.211:SSFF;1-#
Material Identity Number: M523-95002
Conference Title: Horrundfunk (Audio Broadcasting)
Conference Date: 16-18 May 1995 Conference Location: Mannheim, Germany
Language: German
Subfile: B

Abstract: With modern **audio recording** and **reproduction** equipment working in the entire audible frequency range, room acoustics are of increasing importance, illustrated...
...plot of the transfer function of a 3*4*5 m room measured with a **loudspeaker** and microphone in diagonally opposite corners. The properties of film, **membrane** , microporous, and plastic soft foam absorbers and compound-board resonators are compared. Examples are described...
...Descriptors: **audio recording** ; ...

... **membranes** ; ...

... **sound reproduction** ;
...Identifiers: **membrane** absorbers...

... **audio recording** ;

29/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

01221472 INSPEC Abstract Number: B78035245
Title: Loudspeakers **with plane** membrane **disc. II**
Author(s): Obermayr, K.; Roske, E.
Journal: Funkschau vol.50, no.3 p.104-6
Publication Date: 27 Jan. 1978 Country of Publication: West Germany
CODEN: FUSHA2 ISSN: 0016-2841
Language: German
Subfile: B

Title: Loudspeakers **with plane** membrane **disc. II**
...Abstract: no.2, p.21 (1978). Discusses transmission properties and results of measurements on the Manger **loudspeaker** . Among its features are low build-up times, low distortion, good reproduction of bass frequencies ...
Descriptors: **loudspeakers** ; ...

... **sound reproduction**
Identifiers: plane **membrane** disc...

... **loudspeaker** ;

29/3,K/3 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

02941008 E.I. Monthly No: EI9008093754
Title: Sound radiation from circular stretched membranes **in free space.**
Author: Streng, J. H.
Corporate Source: Philips Research Lab, Eindhoven, Neth
Source: Journal of the Audio Engineering Society v 37 n 3 Mar 1989 p 107-118
Publication Year: 1989
CODEN: ADIOA3 ISSN: 0004-7554
Language: English

Title: Sound radiation from circular stretched membranes **in free space.**
Abstract: Some radiation characteristics of circular stretched vibrating **membranes** are calculated. The calculations include the fluid loading effects of air, which are of essential influence on the **membrane** 's vibrational behavior in the frequency range around ka equals 1. Results are presented to show that the sound radiation of the most prominent representative of stretched- **membrane loudspeakers** , namely, the electrostatic push-pull **loudspeaker** , may be predicted very accurately. The full numerical procedure is supplied in the Appendix. (Author...
Descriptors: **MEMBRANES** --*...

...Acoustic Properties; **LOUDSPEAKERS** --...

...Electrostatic Actuation; **SOUND REPRODUCTION** ; ACOUSTIC TRANSDUCERS
Identifiers: SOUND RADIATION; STRETCHED- **MEMBRANE LOUDSPEAKERS** ; ELECTROSTATIC PUSH-PULL **LOUDSPEAKER** ; AUDIO TRANSDUCERS

29/3,K/4 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

02705603 E.I. Monthly No: EI8902012564
Title: Compact ribbon tweeter/midrange loudspeaker .
Author: Nieuwendijk, J. A. M.
Corporate Source: Philips Consumer Electronics, Eindhoven, Neth
Source: Journal of the Audio Engineering Society v 36 n 10 Oct 1988 p 776-787
Publication Year: 1988
CODEN: ADIOA3 ISSN: 0004-7554
Language: English

Title: Compact ribbon tweeter/midrange loudspeaker .
Abstract: The differences between ribbon **loudspeakers** and conventional electrodynamic **loudspeakers** are outlined. A survey is given of some characteristic properties of modern ribbon tweeters. The...

...principle can be described with the aid of a simple model based on a stretched **membrane** loaded with an air spring. From the model, design rules can be derived. In this...
Descriptors: **LOUDSPEAKERS** --*...

...Theory; **SOUND REPRODUCTION** ; **AUDIO** EQUIPMENT
Identifiers: COMPACT RIBBON TWEETER; MIDRANGE **LOUDSPEAKER** ; RIBBON **LOUDSPEAKERS** ; ELECTRODYNAMIC **LOUDSPEAKERS**

29/3,K/5 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

01251459 JICST ACCESSION NUMBER: 91A0027181 FILE SEGMENT: JICST-E
Diamond simple substance diaphragm.
TANABE KEIICHIRO (1); FUJIMORI SHOJI (1)
(1) Sumitomo Electric Industries, Ltd.
New Diamond, 1990, VOL.6,NO.4, PAGE.26-27, FIG.5, TBL.1, REF.1
JOURNAL NUMBER: X0341AAX ISSN NO: 1340-4792
UNIVERSAL DECIMAL CLASSIFICATION: 661.66 621.37:534.85
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

...ABSTRACT: diamond. The speed of sound by the vibvating reed method exceeds other substance, and the **speaker** can **reproduce** the **sound** upto 80,000 Hz. Besides, because the high pass resonant frequency is high, the destortionn...
...DESCRIPTORS: **loudspeaker** ;
...BROADER DESCRIPTORS: **membrane** and film

29/3,K/6 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

01158357 E97110470261
Mach doch, was ich will. Electro-Voice X-Array Beschallungs-Anlage
Dormann, M
Workshop, v9, n11, pp19-21, 1997
Document type: journal article Language: German
Record type: Abstract

DESCRIPTORS: **LOUDSPEAKERS** ; HI FI EQUIPMENT; CONSUMER ELECTRONICS; **SOUND REPRODUCTION** ; ACOUSTICS; FINAL AMPLIFIER; NATURAL FREQUENCY; INTERFERENCE ; DECOUPLING; HIGH FREQUENCY; **MEMBRANES** ; MIXER CONSOLE; COMB FILTERS

29/3,K/7 (Item 2 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

01079923 E97020364214
Flacher als ein Brett. NXT-Flachlautsprecher erstmals gehoert
(Flat models of **loudspeakers**)
Baum, HJ
Sound & Vision, v20, n1, pp34-35, 1997
Document type: journal article Language: German
Record type: Abstract

(Flat models of **loudspeakers**)
DESCRIPTORS: **LOUDSPEAKERS** ; **SOUND REPRODUCTION** ; **MEMBRANES^DE VELOPMENT** ; DEVELOPMENTAL TREND

29/3,K/8 (Item 3 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

01025434 E96090639278
Neue Lautsprechergeneration: DDDrive
Hoven, A
Radio, Fernsehen, Elektronik, v45, n8, pp48-49, 1996
Document type: journal article Language: German
Record type: Abstract
ISSN: 0033-7900

DESCRIPTORS: **LOUDSPEAKERS** ; **SOUND** ; QUALITY IMPROVEMENT; **SOUND REPRODUCTION** ; INNOVATIONS; MAGNETIC MATERIALS; MAGNETIC POWDER; ARTIFICIAL RESIN; INJECTION MOULDING; MAGNETIC FIELD; **MEMBRANES** ; SOUND PRODUCTION

29/3,K/9 (Item 4 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00890352 E95050948233
Five Live. Fuenf Lautsprecher im Test, Paarpreis zwischen 3000 und 4000 Franken
(Five Live. Five **loudspeakers** in the test, the price of a set is between 3000 and 4000 Swiss francs)
Schuler, M
Sound, v18, n5-6, pp12-16,18-19, 1995
Document type: journal article Language: German
Record type: Abstract

(Five Live. Five **loudspeakers** in the test, the price of a set is between 3000 and 4000 Swiss francs)
DESCRIPTORS: **SOUND REPRODUCTION** ; ACOUSTIC RECEIVERS; FREQUENCY DEPENDENCE; EFFICIENCY FACTOR; IMPEDANCE; TIMBER OF SOUND; HI FI EQUIPMENT; COST PERFORMANCE; **MEMBRANES** ; ACOUSTIC VARIABLES MEASUREMENT; **LOUDSPEAKERS**

29/3,K/10 (Item 5 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00836105 E94100834220
Der Biegewellenwandler
(Novel **loudspeaker** - based on wave transmission line-principle)
Dicks, P
Radio, Fernsehen, Elektronik, v43, n10, pp29-31, 1994
Document type: journal article Language: German
Record type: Abstract
ISSN: 0033-7900

(Novel **loudspeaker** - based on wave transmission line-principle)

ABSTRACT:
...eine HiFi-Neuerung im Gespraech: der Biegewellenlautsprecher. Er nutzt die Tatsache aus, dass Biegewellen auf **Membranen** Dispersion aufweisen, d.h. dass die Ausbreitungsgeschwindigkeit von Biegewellen auf **Membranen**

nicht konstant ist, sondern mit zunehmender Frequenz ansteigt. Bei richtiger Dimensionierung des Wandlers (konusfoermig) und...
DESCRIPTORS: **LOUDSPEAKERS ; SOUND REPRODUCTION ; ACOUSTIC PRE** SSURE; TIMBER OF SOUND; FREQUENCY DEPENDENCE; NOISE...

29/3,K/11 (Item 6 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00803223 E94081013226
Der Hornlautsprecher
(The horn **speaker**)
Fromme, H
Radio, Fernsehen, Elektronik, v43, n8, pp27-29, 1994
Document type: journal article Language: German
Record type: Abstract
ISSN: 0033-7900

(The horn **speaker**)
DESCRIPTORS: **LOUDSPEAKERS** ; AUDIO SIGNALS; DIRECTIONAL CHARACTERISTICS; EFFICIENCY FACTOR; **MEMBRANES** ; ACOUSTIC PRESSURE; ACOUSTIC INTENSITY; EXPONENTIAL FUNCTION; **SOUND REPRODUCTION**

29/3,K/12 (Item 7 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00770943 E94030723261
Fuenfzehn auf einen Streich. 15 dynamische Kopfhoerer im Vergleich
(Comparison of fifteen dynamic headphones)
anonym
Sound, v17, n3, pp4-6,8,10-12, 1994
Document type: journal article Language: German
Record type: Abstract

DESCRIPTORS: HEAD PHONES; **LOUDSPEAKERS** ; HI FI EQUIPMENT; **SOUND REPRODUCTION** ; **MEMBRANES** ; ELECTRIC WAVE FILTERS; RESONATORS; HEARING...

29/3,K/13 (Item 8 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00770942 E94030724261
Auf den Punkt gebracht. Lautsprecher Tannoy D 100 im Test
(The new Tannoy D 100 speakers)
Freund, M
Sound, v17, n3, pp24-26, 1994
Document type: journal article Language: German
Record type: Abstract

DESCRIPTORS: **LOUDSPEAKERS** ; HI FI EQUIPMENT; ELECTRIC WAVE FILTERS; FREQUENCY DEPENDENCE; **SOUND REPRODUCTION** ; **SOUND** ; **MEMBRANES** ; DIRECTIONAL CHARACTERISTICS; ADMITTANCE; NOISE...

29/3,K/14 (Item 9 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00770938 E94030726261
Gluecksfall(e). Sieben 2-Weg-Komponenten-Lautsprechersysteme im Vergleich
(Seven car audio two-way component speakers in comparison)
Flammer, T
Sound, v17, n3, pp30-32,34 (Sound/Autotechnik), 1994
Document type: journal article Language: German
Record type: Abstract

DESCRIPTORS: HI FI EQUIPMENT; **LOUDSPEAKERS** ; FREQUENCY DEPENDENCE; **SOUND REPRODUCTION** ; **MEMBRANES** ; **SOUND** ; ADMITTANCE; ELECTRIC WAVE FILTERS; NOISE...

29/3,K/15 (Item 10 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00727906 E93100625266
Schallender Wuerfel erzeugt bit fuer bit reinen Klang. Forschungsprojekt an der Technischen Fachhochschule Berlin beseitigt bisherige Probleme. Neuer digitaler Lautsprecher entwickelt
John, KJ
VDI-Nachrichten, v47, n40, pp22, 1993
Document type: Short journal article Language: German
Record type: Abstract
ISSN: 0042-1758

ABSTRACT:
...Mitte je einen elektrodynamischen Lautsprecher haben und eine Flaeche als Schallaustrittsoeffnung dient. Jede der 16 **Membranen** kann nur einen definierten Weg zuruecklegen und sich dabei in einem von 3 Zustaenden befinden...
DESCRIPTORS: **LOUDSPEAKERS** ; **SOUND REPRODUCTION** ; **HI FI EQUIPM** ENT; DIGITAL SIGNALS; DIGITAL ANALOGUE CONVERSION; COMPUTERISED SIGNAL PROCESSING; PROTOTYPES; ELECTROACOUSTICS; DEVICE DESCRIPTION...

29/3,K/16 (Item 11 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00695343 I93046365928
Titel japanisch
(Stromstatus von Flachlautsprechern)
(Current status of the flat panel **loudspeakers** development)
Satoh, K
Matsushita Electric Industrial Co. Ltd., Kadoma, Japan
Journal of the Institute of Electronics, Information and Communication Engineers, v75, n10, pp1042-1046, 1992
Document type: journal article Language: Japanese
Record type: Abstract
ISSN: 0913-5693

(Current status of the flat panel **loudspeakers** development)

ABSTRACT:
...projector for development of home theaters, there has been an increasing demand for multi-channel **sound reproduction** systems with high-quality

sound and feeling of presence. In order to realize this, it...

...of flat panel speakers and the recent related technologies. As a large-area vibration panel **speaker** to enable low-frequency **sound reproduction** , the author introduces the AFP **speaker** which is a combination of a large area vibration panel and thin-type cabinet.
DESCRIPTORS: **LOUDSPEAKERS** ; **SOUND REPRODUCTION** ; **MULTICHANNEL** TRANSMISSION; **MEMBRANES** ; THIN FILM TECHNOLOGY; PLAYBACK; BROADBAND TRANSMISSION; FREQUENCY SPECTRUM
IDENTIFIERS: FLAT PANEL **LOUDSPEAKERS** ; MULTI CHANNEL **SOUND REPRODUCTION** SYSTEMS; LARGE AREA VIBRATION PANEL **SPEAKER** ; LOW FREQUENCY **SOUND REPRODUCTION** ; AFP **SPEAKER** ; Flachlautsprecher; Stromstatus

29/3,K/17 (Item 1 from file: 144)
DIALOG(R)File 144:Pascal

03875072 PASCAL No.: 75-0006087
SERVOMECANISMO ELECTRONICO PARA ALTAVOZ.
(SERVOMECANISME ELECTRONIQUE POUR HAUT-PARLEUR)
SEBASTIAN J; JAEGER D
PHILIPS, FLERS,FRANCE
Journal: REV. ACUST., 1973, 4 (4) 178-181
Language: SPANISH

REALISATION D'UN SYSTEME CONSTITUE D'UN ACCELERATEUR PIEZOELECTRIQUE SOLIDAIRE DE LA **MEMBRANE** DU HAUT-PARLEUR ET PERMETTANT D'AUGMENTER LA FIDELITE AUX BASSES FREQUENCES ET DE DIMINUER...

English Descriptors: ELECTRONIC EQUIPMENT; **LOUDSPEAKER** ; HIGH FIDELITY **REPRODUCTION** ; **SOUND REPRODUCTION**

29/3,K/18 (Item 2 from file: 144)
DIALOG(R)File 144:Pascal

00391775 PASCAL No.: 74-0004249
LAUTSPRECHERBOXEN MIT BEWEGUNGSGEGENKOPPLUNG
(BOITE A HAUT-PARLEURS AVEC ASSERVISSEMENT DU MOUVEMENT)
ROTH W
Journal: FERNSEH-U. KINO-TECH., 1973, 27 (8) 271-273
Language: GERMAN Summary Language: ENGLISH; FRENCH; SPANISH

BOITE A HAUT-PARLEURS HI-FI. LE MOUVEMENT DE LA **MEMBRANE** EST INTEGRE AU CIRCUIT DE CONTRE-REACTION DE L'AMPLICATEUR

English Descriptors: LOW FREQUENCY AMPLIFIER; FEEDBACK SYSTEM; **SOUND RECORDING** ; **LOUDSPEAKER** ; HIGH FIDELITY **REPRODUCTION** ; **SOUND REPRODUCTION**
?

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File 344:Chinese Patents Abs Aug 1985-2004/May
         (c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/Jun(Updated 041004)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200465
         (c) 2004  Thomson Derwent

Set     Items   Description
S1       3038   (ELECTRO-ACOUSTIC OR ELECTROACOUSTIC)(3N)TRANSDUCER?
S2      83855   SPEAKER OR LOUDSPEAKER? OR (LOUD OR AUDIO)()SPEAKER??
S3       2347   DIGITAL(3N)SOUND?(3N)SIGNAL?
S4       1591   ORIGINAL(3N)SIGNAL? AND (COPIES OR COPIED OR SAMPL?)
S5        185   S1 AND MEMBRANE?
S6     162681   (DOUBL? OR RAIS? OR HEIGHT? OR INCREAS? OR HIGHER) AND FRE-
             QUENC?
S7       5366   (REDUC? OR COMPENSAT? OR CONTROL? OR MANAG? OR CHANG? OR A-
             LTER? OR MODIF? OR ADJUST? OR CORRECT? OR MITIGAT?)(3N)(RUNAW-
             AY? OR TRAIL?()EFFECT? OR INERTIA)
S8      40129   (SOUND OR AUDIO)(3N)(REPRODUC? OR RECORD?)
S9         47   AU=(PICCALUGA, P? OR PICCALUGA P?)
S10       102   FORMAT? AND S3
S11     73757   IC=H04R?
S12         0   S10 AND S7
S13        12   (S1 OR S2) AND S7
S14         0   S13 AND S6
S15        10   S13 AND S11
S16         7   S15 NOT AD=19970707:20041013/PR
S17         7   S15 NOT AD=20001015:20041013/PR
S18         0   S15 NOT (S15 OR S17)
S19         0   S8 AND S5 AND S6
S20      2698   S6 AND (S1 OR S2)
S21        63   S20 AND MEMBRANE?
S22         0   S21 AND S7
S23        56   S21 AND S11
S24         9   S23 AND S8
S25         9   S24 NOT S15
S26         0   S25 AND AD=19970707:19981231/PR
S27         2   S25 AND AD=19990101:20011231/PR
S28         1   S25 AND AD=20020101:20041013/PR
S29         6   S25 NOT (S27 OR S28)
S30         0   S20 AND S7
S31         0   S5 AND S7
```

15/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07506075 **Image available**
ECCENTRIC **SPEAKER**

PUB. NO.: 2002-374595 [JP 2002374595 A]
PUBLISHED: December 26, 2002 (20021226)
INVENTOR(s): MAE YUTAKA
APPLICANT(s): MINEBEA CO LTD
APPL. NO.: 2001-181620 [JP 2001181620]
FILED: June 15, 2001 (20010615)

ECCENTRIC **SPEAKER**

INTL CLASS: **H04R-009/02** ; **H04R-001/24** ; **H04R-009/06**

ABSTRACT

PROBLEM TO BE SOLVED: To provide an eccentric **speaker** that adopts a very simple and easy means of ununiformizing the magnetic flux density in...

... as to cancel unbalanced moment of inertia caused by a biased center hole.
SOLUTION: The **speaker** comprises; the magnetic circuit comprising a top plate 2 and a magnet and a yoke...

...and the top plate 2 is increased so as to ununiformize the magnetic flux thereby **correcting** unbalanced moment of **inertia** .

15/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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06213628 **Image available**
ECCENTRIC CONE FOR **LOUDSPEAKER** , ITS MANUFACTURE AND ECCENTRIC **LOUDSPEAKER** INTEGRATED WITH ECCENTRIC CONE

PUB. NO.: 11-155189 [JP 11155189 A]
PUBLISHED: June 08, 1999 (19990608)
INVENTOR(s): KITAIWA KIMIHIKO
TANAKA YOSHIYUKI
GOMI KAZUO
HAYASHI TOMOHARU
APPLICANT(s): VICTOR CO OF JAPAN LTD
APPL. NO.: 09-337800 [JP 97337800]
FILED: November 21, 1997 (19971121)

ECCENTRIC CONE FOR **LOUDSPEAKER** , ITS MANUFACTURE AND ECCENTRIC **LOUDSPEAKER** INTEGRATED WITH ECCENTRIC CONE

INTL CLASS: **H04R-007/12** ; **H04R-001/20** ; **H04R-007/18** ; **H04R-031/00**

ABSTRACT

PROBLEM TO BE SOLVED: To prevent the occurrence of abnormal sound or the like by **correcting** unbalanced moment of **inertia** of an eccentric cone for a **loudspeaker** for preventing lateral fluctuations.

SOLUTION: An eccentric cone 100 whose center hole 100a is placed with eccentricity is used as an integral part of a **speaker** . A metal-made balancer 100d is provided at an outer circumferential part of the cone...

15/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO

01482099 **Image available**
PLANE DRIVING TYPE **SPEAKER**

PUB. NO.: 59-193699 [JP 59193699 A]
PUBLISHED: November 02, 1984 (19841102)
INVENTOR(s): AZUMA MANABU
APPLICANT(s): NILES PARTS CO LTD [329433] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 58-069009 [JP 8369009]
FILED: April 18, 1983 (19830418)
JOURNAL: Section: E, Section No. 301, Vol. 09, No. 53, Pg. 120, March 07, 1985 (19850307)

PLANE DRIVING TYPE **SPEAKER**

INTL CLASS: **H04R-009/00** ; **H04R-007/12** ; **H04R-009/06**

ABSTRACT

PURPOSE: To put a diaphragm in piston motion with stable **inertia control** and improve the exchange efficiency of a **speaker** by interlinking all driving conductors with magnetic flux and increasing driving force, and holding the...

...CONSTITUTION: The magnet element 1 of a plane driving type **speaker** is constituted by clamping both flanks of a rectangular rod magnet 11 by inversely-L...

... in the gap magnetic field, and the diaphragm is put in piston motion with stable **inertia control** , improving the exchange efficiency of the **speaker** .

15/3,K/4 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015854821 **Image available**
WPI Acc No: 2004-012653/200401
XRPX Acc No: N04-009290
Electromechanical force transducer for acoustic device e.g. loudspeaker **, has piezoelectric beam attached to support unit that is of restraining nature in relation to bending wave vibration of beam**
Patent Assignee: NEW TRANSDUCERS LTD (NEWT-N)
Inventor: BANK G; HARRIS N
Number of Countries: 102 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200398964	A2	20031127	WO 2003GB1857	A	20030430	200401	B
AU 2003229963	A1	20031202	AU 2003229963	A	20030430	200442	

Priority Applications (No Type Date): GB 200211508 A 20020520
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 200398964 A2 E 27 H04R-000/00
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW
AU 2003229963 A1 H04R-000/00 Based on patent WO 200398964
Electromechanical force transducer for acoustic device e.g. loudspeaker **, has piezoelectric beam attached to support unit that is of restraining nature in relation to...**

Abstract (Basic):
... Used for acoustic device e.g. **loudspeaker** and microphone...

...the support unit restricts the movement of the free ends of the piezoelectric beam, thereby **reducing** the **inertia** and thus increasing the resistance to shock and drop impacts...
...Title Terms: **LOUDSPEAKER** ;
International Patent Class (Main): **H04R-000/00**

15/3,K/5 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014971697 **Image available**
WPI Acc No: 2003-032211/200303
XRPX Acc No: N03-025493
Audio applications acoustic transducers having motor providing modulated electromagnetic flux driving free calibrated weight with acoustic phase offsets countering mechanical inertia **providing** correct **medium/low frequency output.**
Patent Assignee: LECOQ P (LECO-I); PERRICHON C A (PERR-I); PICCALUGA P (PICC-I)
Inventor: LECOQ P; PERRICHON C A; PICCALUGA P
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
FR 2822631 A1 20020927 FR 20013745 A 20010320 200303 B

Priority Applications (No Type Date): FR 20013745 A 20010320
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
FR 2822631 A1 8 H04R-011/02
... **motor providing modulated electromagnetic flux driving free calibrated weight with acoustic phase offsets countering mechanical** inertia **providing** correct **medium/low frequency output.**

Abstract (Basic):
... feed (9). The calibrated weight is tuned so that the acoustic phase offsets the mechanical **inertia** creating the **correct** sound density for medium frequency harmonics and low frequency filtering.
... **Electroacoustic transducers** for audio applications
International Patent Class (Main): **H04R-011/02**

15/3,K/6 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010107473
WPI Acc No: 1995-008726/199502
XRPX Acc No: N95-007279
Loudspeaker **with anti-vibration structure - has weights on either top of** loudspeaker **or below** loudspeaker **so that undesirable vibrations generated by** loudspeaker **assembly are** reduced **by** inertia **of weights**
Patent Assignee: DAVY A (DAVY-I)
Inventor: DAVY A
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2278974	A	19941214	GB 9311839	A	19930608	199502	B
GB 2278974	B	19970716	GB 9311839	A	19930608	199731	

Priority Applications (No Type Date): GB 9311839 A 19930608
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2278974	A		8		

Loudspeaker **with anti-vibration structure...**
...has weights on either top of loudspeaker **or below** loudspeaker **so that undesirable vibrations generated by** loudspeaker **assembly are** reduced **by** inertia **of weights**

...Abstract (Basic): The rectangular box shaped **loudspeaker** is provided, on top of the box, with a weight which has a recess on its underside which fits neatly over the top of the **loudspeaker** so that the **speaker** is firmly held within the recess. The thickness of the weight may be several inches...

...and the top of the weight may be decorated to suit the appearance of the **loudspeaker** . In the case of a commercial installation the weight may be used to provide a...

...The **loudspeaker** may also be provided, on its underside, with another weight which may be similar to the weight on top of the **loudspeaker** but inverted so that the recess is uppermost to provide a location for the base of the **loudspeaker** . The weight underneath the **loudspeaker** may also be provided with fixing points for attaching to a stand. The weights used...

...stepped recesses so that one design of weight can be used on a range of **loudspeakers** so reducing the number of weights needed to be held in stock by a shopkeeper...

...USE/ADVANTAGE - Detachable anti-vibration control for **loudspeaker** . Enhances acoustic characteristics...
...Abstract (Equivalent): A **loudspeaker** is provided with a discrete and massive weight or 2 discrete and massive weights which substantially increase the mass of the **loudspeaker** so that the undesirable vibration of the **loudspeaker** enclosure is significantly **reduced** by the **inertia** of the weight or weights which are applied at the top or bottom or at both top and bottom of the **loudspeaker** enclosure and tightly restrained in place...

Title Terms: **LOUDSPEAKER** ;
International Patent Class (Main): **H04R-001/02**
International Patent Class (Additional): **H04R-001/28**

15/3,K/7 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

002321989
WPI Acc No: 1980-C8423C/198013
Hi-Fi loudspeaker **having convex diaphragm - rigidly secured to** loudspeaker **coil former and flexibly secured to outer annular pole piece**
Patent Assignee: AUDAX (AUDA-N)
Inventor: GLAVA M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2428952	A	19800215				198013 B

Priority Applications (No Type Date): FR 789785 A 19780403

Hi-Fi loudspeaker **having convex diaphragm...**

...**rigidly secured to** loudspeaker **coil former and flexibly secured to outer annular pole piece**

...Abstract (Basic): The **loudspeaker** comprises a convex cellulose or plastics membrane (1) secured about its centre to one end of a cardboard or aluminium former (6) for a coil (7). The **loudspeaker** has an annular outer pole piece (3) and a central pole piece (4) separated by...

...The membrane (1) may be hemispherical, a truncated cone, conical or ellipsoidal. This type of **loudspeaker** has **reduced** resonance and **reduced inertia** of the moving parts to reduce linear and harmonic distortion of reproduced sound.
...Title Terms: **LOUDSPEAKER** ;
International Patent Class (Additional): **H04R-007/16** ...

... **H04R-009/06**

15/3,K/8 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

002168591
WPI Acc No: 1979-J8538B/197942
Plasma control **system for** inertia **-less** loudspeaker **- uses heated gas or electric field to apply thermal energy to plasma to produce thermal and density gradients**
Patent Assignee: HILL A E (HILL-I); MILL A E (MILL-I)
Inventor: HILL A E
Number of Countries: 006 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2913804	A	19791011				197942 B
GB 2023373	A	19791228				198001
FR 2422314	A	19791207				198004

US 4219705	A	19800826				198037
GB 2023373	B	19830209				198306
CA 1146258	A	19830510				198321
DE 2913804	C	19860327				198614
JP 2198300	A	19900806	JP 7941472	A	19790403	199037

Priority Applications (No Type Date): US 78893667 A 19780405
Plasma control **system for** inertia **-less** loudspeaker -
...Title Terms: **LOUDSPEAKER** ;
...International Patent Class (Additional): **H04R-023/00**

15/3,K/9 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

001289111
WPI Acc No: 1975-H3022W/197528
Electrostatic loudspeaker **with cylinder sect electrode assembly - has parallel curved electrodes to alter diaphragm energised area**
Patent Assignee: LINDENBERG T (LIND-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 3892927	A	19750701				197528	B

Priority Applications (No Type Date): US 73393789 A 19730904

Electrostatic loudspeaker **with cylinder sect electrode assembly...**

...Abstract (Basic): The single diaphragm electrostatic **loudspeaker** has multiple opposing pairs of electrodes which are graded in size, the **speaker** furthe including means for electrically controlling the high frequency response of each electrode pair so...

...adjacent electrode. The diaphragm is acoustically damped and selectively tuned by mass loading to achieve **inertia control** below a designated frequency, thus extending the **loudspeaker** 's useful response into the low frequency range. The construction for the **loudspeaker** provides for relatively uniform sound dispersion.
...Title Terms: **LOUDSPEAKER** ;
International Patent Class (Additional): **H04R-019/02**

15/3,K/10 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

001266050
WPI Acc No: 1975-E9944W/197519
Tremolo effect producing device - is for electronic musical instrument with cabinet of sound absorbing material
Patent Assignee: HAMMOND CORP (HAMM-N)
Number of Countries: 006 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 2450940	A	19750430				197519	B
NL 7413789	A	19750502				197520	
US 3905447	A	19750916				197539	
ZA 7406066	A	19750821				197542	

CA 1005263	A	19770215	197710
IT 1022652	B	19780420	197830

Priority Applications (No Type Date): US 73410512 A 19731029

...Abstract (Basic): a central axis and a sound transmitting opening at a distance from the axis; A **loudspeaker** is arranged to rotate about the central axis and there is a **loudspeaker** diaphragm at the above opening; There is a driving system for the diaphragm with a...
...element between the excitation coil and the diaphragm, rigid in the longitudinal direction, which appreciably **reduces** the moment of **inertia** of the tremolo effect generator so that it can be quickly accelerated and braked; the...

...inside the cabinet, intersecting its central axis; It has a front rib to hold the **loudspeaker** diaphragm at the above opening, and a middle rib for the driving system support, and...
...International Patent Class (Additional): **H04R-001/34** ...

... **H04R-009/06**
?

29/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

010238031 **Image available**
WPI Acc No: 1995-139288/199518
Related WPI Acc No: 1998-495176
XRAM Acc No: C95-064304
XRPX Acc No: N95-109501
Mid-range frequency **piezoelectric** loudspeaker **- which uses a dome-shaped piezoelectric actuator to drive a** speaker membrane **directly.**
Patent Assignee: NASA US NAT AERO & SPACE ADMIN (USAS)
Inventor: HELLBAUM R F; JALINK A; REGAN C R; ROHRBACH W W
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US N8326804	N	19950315	US 94326804	A	19941011	199518	B

Priority Applications (No Type Date): US 94326804 A 19941011
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US N8326804	N		14	H04R-000/00	

Mid-range frequency **piezoelectric** loudspeaker **- ...**
...which uses a dome-shaped piezoelectric actuator to drive a speaker membrane **directly.**

...Abstract (Basic): A piezoelectric **loudspeaker** suitable for mid-range **frequencies** uses a dome-shaped piezoelectric actuator to drive a **speaker membrane** directly. The dome-shaped actuator is made from a reduced and internally biased oxygen wafer...

...the rim of the dome-shaped actuator must be free to rock when the dome **height** varies to ensure low distortion in the **loudspeaker** . This is achieved by mounting the rim of the dome-shaped actuator on a support surface by prestress only. An exceptionally simple design uses a planar **speaker membrane** with the centre part of one side pressed against the rim of a dome-shaped...

...USE - Piezoelectric **loudspeakers** for **sound reproduction** , e.g. for use as direct coupled mid-range driver...

...A piezoelectric **loudspeaker** suitable for mid-range **frequencies** uses a dome-shaped piezoelectric actuator to drive a **speaker membrane** directly. The dome-shaped actuator is made from a reduced and internally biased oxygen wafer...
...the rim of the dome-shaped actuator must be free to rock when the dome **height** varies to ensure low distortion in the **loudspeaker** . This is achieved by mounting the rim of the dome-shaped actuator on a support surface by prestress only. An exceptionally simple design uses a planar **speaker membrane** with the centre part of one side pressed against the rim of a dome-shaped...

...USE - Piezoelectric **loudspeakers** for **sound reproduction** , e.g. for use as direct coupled mid-range driver...

...A piezoelectric **loudspeaker** suitable for mid-range **frequencies** uses a dome-shaped piezoelectric actuator to drive a **speaker membrane** directly. The dome-shaped actuator is made from a reduced and internally biased oxygen wafer...

...the rim of the dome-shaped actuator must be free to rock when the dome **height** varies to ensure low distortion in the **loudspeaker** . This is achieved by mounting the rim of the dome-shaped actuator on a support surface by prestress only. An exceptionally simple design uses a planar **speaker membrane** with the centre part of one side pressed against the rim of a dome-shaped...

...USE - Piezoelectric **loudspeakers** for **sound reproduction** , e.g. for use as direct coupled mid-range driver...

...Title Terms: **FREQUENCY** ;

International Patent Class (Main): **H04R-000/00**

29/3,K/2 (Item 2 from file: 350)

009203908 **Image available**

WPI Acc No: 1992-331340/199240

Related WPI Acc No: 1990-224300

XRPX Acc No: N92-253127

Planar diaphragm electromagnetic loudspeaker **structure - comprises multiple layers of thin flexible** membrane **material, each contg. thin electrical conductor in preset pattern**

Patent Assignee: BRUNEY P F (BRUN-I)

Inventor: BRUNEY P F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5148493	A	19920915	US 88245915	A	19880919	199240	B
			US 90482801	A	19900221		

Priority Applications (No Type Date): US 88245915 A 19880919; US 90482801 A 19900221

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5148493	A		11	H04R-025/00	Div ex application US 88245915 Div ex patent US 4939784

Planar diaphragm electromagnetic loudspeaker **structure...**

...**comprises multiple layers of thin flexible** membrane **material, each contg. thin electrical conductor in preset pattern**

...Abstract (Basic): A dipole **loudspeaker** incldues a rigid support containing an opening and a planar multi-layered flexible diaphragm mounted...

...support and extending across the opening. The diaphragm is formed of layers of thin flexible **membrane** material, each of the layers having a different **height** and containing a thin electrical conductor arranged in a predetermined pattern on one surface. The conductor patterns on each of the **membranes** have different masses. The **membrane** defines along its **height** areas of various thickness and varying mass...

...The **membrane** is suitable for more accurately reproducing or generating high and low **frequencies** when the electrical conductors are connected with a source of sound signal currents. Magnets are mounted in spaced relation opposite at least one surface of the **membrane** to **reproduce** the **sound** in response to the sound signal currents through the

conductor. The **membrane** and support are also designed to provide directionality and an accurate three-dimensional image of...

...USE/ADVANTAGE - Dipole **loudspeaker** capable of three-dimensional audio imaging...
...Title Terms: **LOUDSPEAKER** ;
International Patent Class (Main): **H04R-025/00**

29/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

008337299
WPI Acc No: 1990-224300/199029
Related WPI Acc No: 1992-331340
XRPX Acc No: N90-174022
Planar diaphragm dipole loudspeaker - **has series of magnets opposite** membrane **surface for providing vibration in response to signal currents**
Patent Assignee: BRUNEY P F (BRUN-I)
Inventor: BRUNEY P P
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 4939784	A	19900703	US 88245915	A	19880919	199029	B

Priority Applications (No Type Date): US 88245915 A 19880919

Planar diaphragm dipole loudspeaker - ...

...**has series of magnets opposite** membrane **surface for providing vibration in response to signal currents**

...Abstract (Basic): The diaphragm is formed of a series of layers of thin flexible **membrane** material, each of the layers having a different **height** and containing a thin electrical conductor arranged in a predetermined pattern on one surface. The conductor patterns on each of the **membranes** have different masses. The **membrane** defines along its **height** areas of various thickness and varying mass. The **membrane** is suitable for more accurately reproducing or generating high and low **frequencies** when the electrical conductors are connected with a source of sound signal currents...

...Magnets are mounted in spaced relation opposite at least one surface of the **membrane** and the conductor patterns for vibrating the **membrane** to **reproduce** the **sound** in response to the sound signal currents through the conductor. A flexible connection is provided between the **membrane** and the support along at least one side edge at the lower portion to provide lateral flexing of the **membrane** side edges while maintaining the edges in the plane of the diaphragm...

...USE - **Loudspeaker** structure providing good low **frequency** response and three dimensional imaging at **frequencies** about 1400 Hz. (12pp Dwg.No. 1/6)
...Title Terms: **LOUDSPEAKER** ;
International Patent Class (Additional): **H04R-007/06** ...
... **H04R-009/04**

29/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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007451683 **Image available**
WPI Acc No: 1988-085617/198813
XRPX Acc No: N88-064645
Loudspeaker **with foil diaphragm - has grooves on opposite frame edges for series-connected piezoelectric elements to** increase frequency **range**
Patent Assignee: SAMSUNG ELECTRO MEC (SAMS-N)
Inventor: LEE K S
Number of Countries: 002 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3731132	A	19880324	DE 3731132	A	19870916	198813 B
US 4820952	A	19890411	US 8797628	A	19870916	198917
DE 3731132	C	19890810				198932

Priority Applications (No Type Date): KR 8615012 A 19860930; KR 8614341 A 19860916; KR 8614342 A 19860916
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3731132	A		9		
US 4820952	A		9		

Loudspeaker **with foil diaphragm**...

...**has grooves on opposite frame edges for series-connected piezoelectric elements to** increase frequency **range**

...Abstract (Basic): The **loudspeaker** frame (1) has grooves (2) on opposite edges to retain several piezoelectric elements (3) in...

...ADVANTAGE - Better quality reproduction by **increasing** lower and middle range response, usually weakest in crystal type **loudspeakers** .

...Abstract (Equivalent): The **membrane** (5) of a piezoelectric **membrane loudspeaker** is rectangular ins hape with its sides clamped between front and rear parts (1,) of...

...Inwardly from the clamped edges, the **membrane** is bent into a V-shape (6), the pointed ends (12) being in cotnact with...

...the elements are holes (4) through the rear frame for radiation towards the rear, The **membrane** can be of transparent material. ADVANTAGE - Compact design with good quality **sound reproduction** .
(
...Abstract (Equivalent): A film **speaker** has a film diaphragm for transducing mechanical vibrations into sound waves and a number of...
Title Terms: **LOUDSPEAKER** ;
...International Patent Class (Additional): **H04R-007/04** ...

... **H04R-017/00**

29/3,K/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

004573418
WPI Acc No: 1986-076762/198612

XRPX Acc No: N86-056162
HF loudspeaker **range extension system - uses extra coil behind main coil assembly mounted in flat annular channel section**
Patent Assignee: SANDEN CORP (SAOE)
Inventor: HIRANO M
Number of Countries: 006 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 3527501	A	19860313	DE 3527501	A	19850731	198612	B
FR 2569929	A	19860307				198616	
GB 2165720	A	19860416	GB 8519349	A	19850801	198616	
AU 8545644	A	19860313				198618	
JP 61062298	A	19860331	JP 84184197	A	19840903	198619	
US 4720868	A	19880119	US 85768341	A	19850822	198805	
GB 2165720	B	19880420				198816	
DE 3527501	C	19910418				199116	

Priority Applications (No Type Date): JP 856203 A 19850122; JP 84184197 A 19840903; JP 85U6203 U 19850122
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3527501	A		29		

HF loudspeaker **range extension system**...

...Abstract (Basic): The assembly consists of a standard **speaker** assembly (10) to which an additional coil (20) has been added. The assembly incorporates a...

...yoke (102,102b) surrounded by a permanent magnet (101). The moving coil (104) of the **loudspeakers** is wound on a cylindrical former (105) and is fed with the audio signal through...

...ADVANTAGE - Extra coil extends range of HF **loudspeakers** to as low as 150 Hz. (29pp Dwg.No.1/12)
...Abstract (Equivalent): magnet yoke and an air gap, an oscillation coil arranged in the air gap, a **membrane** for producing sound waves when the coil receives audio signals, and an additional oscillation system for producing oscillations in another **frequency** range and consisting of an additional coil for audio signals and mounted near the magnet...

...and the body is large in comparison with that of the oscillation coil and the **membrane** , so that the additional coil and the body reproduce oscillations smaller than about 250 Hz...

...USE/ADVANTAGE- The transducer is capable of **reproducing** oscilla-tions or **sound** in a lower as well as a **higher** range and has a simple design. It is suitable for **loudspeakers** . (15pp)
...Title Terms: **LOUDSPEAKER** ;
International Patent Class (Additional): **H04R-001/24** ...

... **H04R-009/06**

29/3,K/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

004026620
WPI Acc No: 1984-172162/198428

XRPX Acc No: N84-128334

Modular loudspeaker **unit for vehicle stereophonic sound equipment - uses** double **flat** membrane **unit between two HF units**

Patent Assignee: PHILIPS GLOEILAMPENFAB NV (PHIG)

Inventor: FIERENS G E M

Number of Countries: 008 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 3346584	A	19840705	DE 3346584	A	19831223	198428	B
GB 2133248	A	19840718	GB 8334335	A	19831223	198429	
FR 2538985	A	19840706				198432	
NL 8300011	A	19840801				198434	
JP 59135995	A	19840804	JP 83252357	A	19831229	198437	
CA 1211379	A	19860916				198642	
GB 2133248	B	19870225				198708	
US 4696037	A	19870922	US 83565309	A	19831227	198740	
KR 8900105	B	19890307				198933	

Priority Applications (No Type Date): NL 8311 A 19830104

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3346584	A		15		

Modular loudspeaker **unit for vehicle stereophonic sound equipment**...

...**uses** double **flat** membrane **unit between two HF units**

...Abstract (Basic): A **loudspeaker** arrangement comprising a first **loudspeaker** unit for **reproducing** a low- **frequency** **audio** signal and a second spearate **loudspeaker** unit provided with a **loudspeaker** for **reproducing** a high- **frequency** **audio** signal, the two **loudspeaker** units either being constructed to have no rigid mechanical connection between them or being provided...

...permit detachment of the units from one another, and connecting means being provided whereby the **loudspeaker** units can be electrically connected to...

...be disengaged from one another to disconnect the units from one another, wherein the first **loudspeaker** unit comprises at least two flat diaphragms...

...The modular **loudspeaker** system includes a single central unit (1) incorporating two flat **membrane** **loudspeakers** (4,5) for low **frequency** reproduction, between two units (2,3) using conventional **loudspeakers** (8,9). Each outer structure incorporates a high and middle **frequency** **loudspeaker** . The outer units are connected to the central unit by connections (10) which enable them...

...the outer units can be positioned at positions remote from the central unit. The flat **membranes** are rectangular, and lie in the same plane. The modular unit can be adapted for incorporation in a common **loudspeaker** housing of conventional type and a single flat **membrane** can also be combined with a high and middle **frequency** supporting panel which can be tilted at a required angle...

...Abstract (Equivalent): A **loudspeaker** arrangement comprising a first **loudspeaker** unit for **reproducing** a low- **frequency** **audio** signal and a second spearate **loudspeaker** unit provided with a **loudspeaker** for **reproducing** a high- **frequency** **audio** signal, the two **loudspeaker** units either being constructed to have no rigid mechanical connection between them or being provided...

...permit detachment of the units from one another, and connecting means being provided whereby the **loudspeaker** units can be electrically connected to one another and which comprise interengageable parts that can be disengaged from one another to disconnect the units from one another, wherein the first **loudspeaker** unit comprises at least two flat diaphragms.

...Abstract (Equivalent): The **loudspeaker** comprises a first module with a **loudspeaker** unit for **reproducing** a low- **frequency** **audio** signal and provided with at least two flat diaphragms and a second module including a second **loudspeaker** unit for **reproducing** a high- **frequency** **audio** signal using a **loudspeaker** . The **loudspeaker** units are constructed either to be mechanically detached from one another or to have connecting...

...Connecting members allow the **loudspeaker** units to be electrically connected to one another and comprise interengageable parts that can be disengaged to disconnect the units. Another **loudspeaker** arrangement, which need not be of a modular construction, comprises a **loudspeaker** unit having at least one flat-diaphragm **loudspeaker** and a second **loudspeaker** unit which is pivotable about two orthogonal axes...

...Title Terms: **LOUDSPEAKER** ;

International Patent Class (Additional): **H04R-001/24** ...

... **H04R-005/02** ...

... **H04R-007/04**

?

File 348:EUROPEAN PATENTS 1978-2004/Oct W01
(c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20041007,UT=20040930
(c) 2004 WIPO/Univentio

Set	Items	Description
S1	844	(ELECTRO-ACOUSTIC OR ELECTROACOUSTIC)(3N)TRANSDUCER?
S2	36436	SPEAKER OR LOUDSPEAKER? OR (LOUD OR AUDIO)()SPEAKER??
S3	1110	DIGITAL(3N)SOUND?(3N)SIGNAL?
S4	1074	ORIGINAL(3N)SIGNAL?(3N)(COPIES OR COPIED OR SAMPL?)
S5	18	S1(3N)MEMBRANE?
S6	58536	(DOUBL? OR RAIS? OR HEIGHT? OR INCREAS? OR HIGHER)(3N)FREQUENC?
S7	3102	(REDUC? OR COMPENSAT? OR CONTROL? OR MANAG? OR CHANG? OR ALTER? OR MODIF? OR ADJUST? OR CORRECT? OR MITIGAT?)(3N)(RUNAWAY? OR TRAIL?()EFFECT? OR INERTIA)
S8	17716	(SOUND OR AUDIO)(3N)(REPRODUC? OR RECORD?)
S9	23	FORMAT?(5N)S3
S10	7680	IC=H04R?
S11	0	S9(S)S7
S12	15	S5 AND S10
S13	0	S12 NOT PY=1998:2004
S14	0	S5(S)S6
S15	0	S4(S)S5(S)S7
S16	7	(S1 OR S2)(S)S7
S17	7	S16 NOT S12
S18	1	S17 AND S10
S19	52	S4(S)S6
S20	3	S19(S)S8
S21	3	S20 NOT (S16 OR S12)
S22	0	S4(S)S9

12/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01764258
ELECTROACOUSTIC TRANSDUCER **COMPRISING A** MEMBRANE **WITH A MIDDLE AREA COMPRISING STIFFENING GROOVES**
ELEKTROAKUSTISCHER WANDLER MIT EINER MEMBRAN WELCHE EINEN ZENTRALEN BEREICH MIT VERSTEIFUNGSNUTEN AUFWEIST
TRANSDUCTEUR ELECTROACOUSTIQUE POURVU D'UNE MEMBRANE COMPRENANT UNE ZONE CENTRALE COMPORTANT DES RAINURES DE RENFORT
PATENT ASSIGNEE:
Koninklijke Philips Electronics N.V., (200769), Groenewoudseweg 1, 5621 BA Eindhoven, (NL), (Applicant designated States: all)
INVENTOR:
FRASL, Ewald, Triester Strasse 64, A-1101 Vienna, (AT)
PATENT (CC, No, Kind, Date):
WO 2004047487 040603
APPLICATION (CC, No, Date): EP 2003758542 031031; WO 2003IB4924 031031
PRIORITY (CC, No, Date): EP 2002102615 021121
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK
INTERNATIONAL PATENT CLASS: **H04R-007/14**
LANGUAGE (Publication,Procedural,Application): English; English; English
ELECTROACOUSTIC TRANSDUCER **COMPRISING A** MEMBRANE **WITH A MIDDLE AREA COMPRISING STIFFENING GROOVES**
INTERNATIONAL PATENT CLASS: **H04R-007/14**

12/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01558580
ELECTROACOUSTIC TRANSDUCER **COMPRISING A** MEMBRANE **WITH AN IMPROVED PLEATS AREA**
ELEKTROAKUSTICHER WANDLER MIT EINER MEMBRAN MIT EINEM VERBESSERTEN FALTENBEREICH
TRANSDUCTEUR ELECTROACOUSTIQUE COMPRENANT UNE MEMBRANE A ZONE DE PLIS AMELIOREE
PATENT ASSIGNEE:
Koninklijke Philips Electronics N.V., (200769), Groenewoudseweg 1, 5621 BA Eindhoven, (NL), (Applicant designated States: all)
INVENTOR:
FRASL, Ewald,Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven, (NL)
LEGAL REPRESENTATIVE:
Weber, Helmut et al (45463), Philips Intellectual Property & Standards, Triesterstrasse 64, 1101 Wien, (AT)
PATENT (CC, No, Kind, Date): EP 1413170 A2 040428 (Basic)
WO 2003009640 030130
APPLICATION (CC, No, Date): EP 2002743492 020626; WO 2002IB2672 020626
PRIORITY (CC, No, Date): EP 2001890211 010719
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **H04R-007/20**
NOTE:
No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

ELECTROACOUSTIC TRANSDUCER **COMPRISING A** MEMBRANE **WITH AN IMPROVED PLEATS AREA**
INTERNATIONAL PATENT CLASS: **H04R-007/20**

12/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01468426
METHOD FOR MANUFACTURING AN ELECTROACOUSTICAL TRANSDUCER **COMPRISING A** MEMBRANE **CONFIGURATION**
VERFAHREN ZUR HERSTELLUNG EINES ELEKTROAKUSTISCHEN WANDLERS MIT EINER MEMBRANKONFIGURATION
PROCEDE DE FABRICATION D'UN TRANSDUCTEUR ELECTRO-ACOUSTIQUE COMPRENANT UNE CONFIGURATION MEMBRANAIRE
PATENT ASSIGNEE:
Koninklijke Philips Electronics N.V., (200769), Groenewoudseweg 1, 5621 BA Eindhoven, (NL), (Applicant designated States: all)
INVENTOR:
FRASL, Ewald, Prof. Holstlaan 6, NL-5656 AA Eindhoven, (NL)
LEGAL REPRESENTATIVE:
Weber, Helmut (45461), Internationaal Octrooibureau B.V., Prof. Holstlaan 6, 5656 AA Eindhoven, (NL)
PATENT (CC, No, Kind, Date): EP 1366638 A2 031203 (Basic)
WO 2002065813 020822
APPLICATION (CC, No, Date): EP 2002715674 020131; WO 2002IB311 020131
PRIORITY (CC, No, Date): EP 2001890037 010213
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **H04R-031/00**
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English

METHOD FOR MANUFACTURING AN ELECTROACOUSTICAL TRANSDUCER **COMPRISING A** MEMBRANE **CONFIGURATION**
INTERNATIONAL PATENT CLASS: **H04R-031/00**

12/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01242071
METHOD FOR PRODUCING MEMBRANES **FOR** ELECTROACOUSTIC TRANSDUCERS **AND** MEMBRANES **OBTAINED BY THIS METHOD**
VERFAHREN ZUR HERSTELLUNG VON MEMBRANEN FUR ELEKTROAKUSTISCHE WANDLER SOWIE MEMBRANEN
PROCEDE DE FABRICATION DE MEMBRANES POUR TRANSDUCTEURS ELECTRO-ACOUSTIQUES ET MEMBRANES AINSI OBTENUES
PATENT ASSIGNEE:
Rohm GmbH & Co. KG, (203357), Kirschenallee, 64293 Darmstadt, (DE), (Proprietor designated states: all)
INVENTOR:
ROOSEN, Dirk, Sudetenstrasse 27, D-64572 Buttelborn, (DE)
MAIER, Leonhard, Leipziger Ring 425, D-63110 Nieder-Roden, (DE)

SEIBERT, Hermann, Trippstadter Strasse 8, D-67663 Kaiserslautern, (DE)
PATENT (CC, No, Kind, Date): EP 1183904 A1 020306 (Basic)
EP 1183904 B1 031022
EP 1183904 B8 040107
WO 2000076269 001214
APPLICATION (CC, No, Date): EP 2000935105 000524; WO 2000EP4703 000524
PRIORITY (CC, No, Date): DE 19925787 990605
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **H04R-007/10** ; **H04R-031/00** ; B32B-031/20
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): German; German; German
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200402	337
CLAIMS B	(German)	200402	292
CLAIMS B	(French)	200402	383
SPEC B	(German)	200402	2720
Total word count - document A			0
Total word count - document B			3732
Total word count - documents A + B			3732

METHOD FOR PRODUCING MEMBRANES **FOR** ELECTROACOUSTIC TRANSDUCERS **AND** MEMBRANES **OBTAINED BY THIS METHOD**
INTERNATIONAL PATENT CLASS: **H04R-007/10** ...

... **H04R-031/00**
...CLAIMS B1
1. Process for producing a **membrane** for **electroacoustic transducers** , which comprises a core layer containing poly(meth)acrylimide foam, and at least one covering...

...a sandwich structure.
8. Membrane produced according to one of claims 1 to 7 for **electroacoustic transducers** , said **membrane** comprising a core layer containing poly(meth)acrylimide foam and at least one covering layer...

12/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00964981
Electroacoustic transducer
Elektroakustischer Wandler
Transducteur electro-acoustique
PATENT ASSIGNEE:
AKG Acoustics GmbH, (2505480), Lembockgasse 21-25, 1230 Wien, (AT), (Proprietor designated states: all)
INVENTOR:
Pavlovic, Gino, Dipl.Ing., Pochlarnstrasse 2/41, 1200 Wien, (AT)
LEGAL REPRESENTATIVE:
Patentanwalte BARGER, PISO & PARTNER (101281), Mahlerstrasse 9 Postfach 96, 1015 Wien, (AT)
PATENT (CC, No, Kind, Date): EP 876079 A1 981104 (Basic)
EP 876079 B1 011219
APPLICATION (CC, No, Date): EP 98890123 980429;

PRIORITY (CC, No, Date): AT 97755 970430
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: **H04R-009/04**
TRANSLATED ABSTRACT WORD COUNT: 101
ABSTRACT WORD COUNT: 85
NOTE:
Figure number on first page: 5

LANGUAGE (Publication,Procedural,Application): German; German; German
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	199845	119
CLAIMS B	(English)	200151	195
CLAIMS B	(German)	200151	174
CLAIMS B	(French)	200151	221
SPEC A	(German)	199845	1691
SPEC B	(German)	200151	1752
Total word count - document A			1810
Total word count - document B			2342
Total word count - documents A + B			4152

INTERNATIONAL PATENT CLASS: **H04R-009/04**

...ABSTRACT Translated)
Electroacoustic transducer using electrodynamic principle
The **electroacoustic transducer** has a **membrane** (8) attached to a coil which is located within an annular gap between the poles...

12/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00891759
Method for producing a diaphragm for an electroacoustic transducer
Verfahren zur Herstellung einer Membrane fur einen elektroakustischen Wandler
Procede de fabriction d'un diaphragme pour transducteur electro-acoustique
PATENT ASSIGNEE:
AKG Akustische u. Kino-Gerate Gesellschaft m.b.H., (248641), Lembockgasse 21-25, A-1230 Wien, (AT), (Applicant designated States: all)
INVENTOR:
Pavlovic, Gino, Dipl.Ing., Pochlarnstrasse 2/41, 1200 Wien, (AT)
LEGAL REPRESENTATIVE:
Patentanwalte BARGER, PISO & PARTNER (101282), Mahlerstrasse 9 P. O. Box 96, 1015 Wien, (AT)
PATENT (CC, No, Kind, Date): EP 814637 A2 971229 (Basic)
EP 814637 A3 040915
APPLICATION (CC, No, Date): EP 97890105 970618;
PRIORITY (CC, No, Date): AT 961085 960619
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: **H04R-031/00**
TRANSLATED ABSTRACT WORD COUNT: 97
ABSTRACT WORD COUNT: 122
NOTE:
Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	9712W3	154
SPEC A	(German)	9712W3	1321
Total word count - document A			1475
Total word count - document B			0
Total word count - documents A + B			1475

INTERNATIONAL PATENT CLASS: **H04R-031/00**

...ABSTRACT Translated)

Membrane manufacturing method for **electroacoustic transducer**

The **membrane** manufacture procedure provides areas of reduced thickness in a deformable thermoplastics material of constant thickness ...

...ABSTRACT A2

Membrane manufacturing method for **electroacoustic transducer**

The **membrane** manufacture procedure provides areas of reduced thickness in a deformable thermoplastics material of constant thickness ...

12/3,K/7 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

01124081 **Image available**

ELECTROACOUSTIC TRANSDUCER **COMPRISING A** MEMBRANE **WITH A MIDDLE AREA COMPRISING STIFFENING GROOVES**

TRANSDUCTEUR ELECTROACOUSTIQUE POURVU D'UNE MEMBRANE COMPRENANT UNE ZONE CENTRALE COMPORTANT DES RAINURES DE RENFORT

Patent Applicant/Assignee:
KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA Eindhoven, NL, NL (Residence), NL (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
FRASL Ewald, Triester Strasse 64, A-1101 Vienna, AT, AT (Residence), AT (Nationality), (Designated only for: US)
Legal Representative:
ROGGLA Harald (agent), Philips Intellectual Property & Standards, Triester Strasse 64, A-1101 Vienna, AT,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200447487 A1 20040603 (WO 0447487)
Application: WO 2003IB4924 20031031 (PCT/WO IB03004924)
Priority Application: EP 2002102615 20021121
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English

transducer (1) is provided with membrane (20) as claimed in any...

12/3,K/8 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01091111 **Image available**
ELECTROACOUSTIC TRANSDUCER WITH BUILT IN TRANSDUCER CIRCUIT
TRANSDUCTEUR ELECTROACOUSTIQUE EQUIPE D'UN CIRCUIT TRANSDUCTEUR INTEGRE
Patent Applicant/Assignee:
KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA Eindhoven, NL, NL (Residence), NL (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
KLEIN Erich, Triester Strasse 64, A-1101 Vienna, AT, AT (Residence), AT (Nationality), (Designated only for: US)
SCHOEFFMANN Michael, Triester Strasse 64, A-1101 Vienna, AT, AT (Residence), AT (Nationality), (Designated only for: US)
Legal Representative:
WEBER Helmut (agent), Philips Intellectual Property & Standards, Triester Strasse 64, A-1101 Vienna, AT,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200414104 A2-A3 20040212 (WO 0414104)
Application: WO 2003IB3275 20030718 (PCT/WO IB03003275)
Priority Application: EP 2002102077 20020731
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD
SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 3776

Main International Patent Class: **H04R-003/00**
International Patent Class: **H04R-009/06**
Fulltext Availability:
Claims

Claim
... 35) of the circuit frame (30) which second carrier surface (35) faces away from the **membrane** (8).
5 An **electroacoustic transducer** (1) as claimed in claim 5, wherein the circuit module (23) is of a design...

12/3,K/9 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01058457 **Image available**
NUMBER OF INDIVIDUAL RESONANCES FOR ACOUSTICS

PLURALITE DE RESONANCES PROPRES POUR L'ACOUSTIQUE
Patent Applicant/Assignee:
ADVANCED TECHNOLOGY AUDIO ORGANISATION S A (ATAO), 10, rue de Vianden, L-2680 Luxembourg, LU, LU (Residence), LU (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
PICCALUGA Pierre, 6, rue des Escoffiers, F-38080 l'Isle d'Abeau, FR, FR (Residence), FR (Nationality), (Designated only for: US)
LECOCQ Patrick, 11, rue d'Antroeuilles, F-59710 Ennevelin, FR, FR (Residence), FR (Nationality), (Designated only for: US)
Legal Representative:
POCHART Francois (et al) (agent), Cabinet Hirsch-Pochart, 34, rue de Bassano, F-75008 Paris, FR,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200388708 A1 20031023 (WO 0388708)
Application: WO 2003FR1221 20030416 (PCT/WO FR0301221)
Priority Application: FR 20024934 20020417
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: French
Filing Language: French
Fulltext Word Count: 2268

Main International Patent Class: **H04R-007/12**

English Abstract
An **electroacoustic transducer membrane** (5) is provided with several individual resonators (1, 2, 4), fixed by gluing. The different...

12/3,K/10 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00979638 **Image available**
ELECTROACOUSTIC TRANSDUCER **COMPRISING A** MEMBRANE **WITH AN IMPROVED PLEATS AREA**
TRANSDUCTEUR ELECTROACOUSTIQUE COMPRENANT UNE MEMBRANE A ZONE DE PLIS AMELIOREE
Patent Applicant/Assignee:
KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA Eindhoven, NL, NL (Residence), NL (Nationality)
Inventor(s):
FRASL Ewald, Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Legal Representative:
WEBER Helmut (agent), Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200309640 A2-A3 20030130 (WO 0309640)
Application: WO 2002IB2672 20020626 (PCT/WO IB0202672)

Priority Application: EP 2001890211 20010719
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CN JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 3301

ELECTROACOUSTIC TRANSDUCER **COMPRISING A** MEMBRANE **WITH AN IMPROVED PLEATS AREA**
Main International Patent Class: **H04R-007/20**
Fulltext Availability:
Detailed Description
Claims

English Abstract
An **electroacoustic transducer** (1) has a **membrane** (19), which has a membrane axis (5) and a ring-shaped pleats area (22), with...

Detailed Description
Electroacoustic transducer comprising a **membrane** with an improved pleats area The invention relates to an **electroacoustic transducer** with a **membrane** , with the membrane having a membrane axis and a ring-shaped pleats area in which a multitude of pleats is provided.

The invention also relates to a **membrane** for an **electroacoustic transducer** , with the **membrane** having a membrane axis and a ring-shaped pleats area in which a multitude of...transducer according to the invention may be characterized in the way described below, namely.

An **electroacoustic transducer** with a **membrane** , with the membrane has a
membrane axis and a ring-shaped pleats area, with thenamely.

A **membrane** for an **electroacoustic transducer** , with the **membrane** having a
membrane axis and a ring-shaped pleats area, with a multitude of pleats ...

Claim
1 An **electroacoustic transducer** (1) with a **membrane** (1 9), with the membrane (1 9) having a membrane axis (5) and a ring...the adjacent linearly running pleat (32, 33, 34).

7 A membrane (I 9) for an **electroacoustic transducer** (1), with the **membrane** (19) having a membrane axis (5) an d a ring-shaped pleats area (22), with...

12/3,K/11 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00931728 **Image available**
METHOD FOR MANUFACTURING AN ELECTROACOUSTICAL TRANSDUCER COMPRISING A MEMBRANE CONFIGURATION
PROCEDE DE FABRICATION D'UN TRANSDUCTEUR ELECTRO-ACOUSTIQUE COMPRENANT UNE CONFIGURATION MEMBRANAIRE

Patent Applicant/Assignee:
KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA Eindhoven, NL, NL (Residence), NL (Nationality)
Inventor(s):
FRASL Ewald, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Legal Representative:
WEBER Helmut (agent), Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200265813 A2-A3 20020822 (WO 0265813)
Application: WO 2002IB311 20020131 (PCT/WO IB0200311)
Priority Application: EP 2001890037 20010213
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CN JP KR
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 5021

Main International Patent Class: **H04R-031/00**
Fulltext Availability:
Detailed Description
Claims

Detailed Description
... stationary transducer part by means of the handling ring.

The invention also relates to a **membrane** configuration for an **electroacoustic** 1 5 **transducer** comprising a **membrane** and a handling ring for the membrane connected to the membrane.

A method with the...

...to the design given in the third paragraph above are also known, because such an **electroacoustic transducer** with such a **membrane** configuration has been supplied by the applicant to customers of the applicant and fitted by...

...placed with its area lying freely opposite the membrane on a stationary part of the **electroacoustic transducer** , whereupon the **membrane** configuration and the moving coil are attached to the stationary part of the transducer via...of manufacturing an electroacoustic transducer as well as an improved acoustic transducer and an improved **membrane** configuration for an **electroacoustic transducer** .

1 5 To achieve this object in a method according to the invention, features according...

...such that a membrane configuration according to the invention can be characterized as follows.

A **membrane** configuration for an **electroacoustic transducer** , which **membrane** configuration comprises a membrane and a handling ring for the membrane connected to the membrane...invention. In the method illustrated in Figs. I to 3 for the manufacture of an **electroacoustic transducer** , a **membrane** configuration is produced which 1 5 consists of a membrane and a handling ring for...

Claim
... surface (6) of the handling ring (1).

7 A membrane configuration (1 7) for an **electroacoustic transducer** (2 1), which **membrane** configuration (1 7) comprises a membrane (I 5) and a handling ring (1) for the...

12/3,K/12 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00931725 **Image available**
ELECTROACOUSTIC TRANSDUCER BEING ACOUSTICAL TIGHT IN THE AREA OF ITS AIR GAP FOR ITS MOVING COIL
CAPTEUR ELECTROACOUSTIQUE ACOUSTIQUEMENT ETANCHE DANS LA REGION DE L'ENTREFER DE SA BOBINE MOBILE
Patent Applicant/Assignee:
KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA Eindhoven, NL, NL (Residence), NL (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
RENNER Heinz, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL, NL (Residence), AT (Nationality), (Designated only for: US)
Legal Representative:
WEBER Helmut (agent), Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200265810 A2-A3 20020822 (WO 0265810)
Application: WO 2002IB436 20020213 (PCT/WO IB0200436)
Priority Application: EP 2001890035 20010213
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CN JP KR US
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 4317

Main International Patent Class: **H04R-009/02**
International Patent Class: **H04R-001/24** ...

... **H04R-009/10**
Fulltext Availability:
Detailed Description

Detailed Description
... the area of its air gap for its moving coil The invention relates to an **electroacoustic transducer** with a **transducer** axis and a **membrane** , with a magnet system with an external magnet system part and an internal magnet system...

12/3,K/13 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00859929 **Image available**
TRANSDUCER WITH SEMICONDUCTING MEMBRANE

TRANSDUCTEUR A MEMBRANE SEMI-CONDUCTRICE
WANDLER MIT HALBLEITENDER MEMBRAN
Patent Applicant/Assignee:
SENNHEISER ELECTRONIC GMBH & CO KG, Am Labor 1, 30900 Wedemark, DE, DE (Residence), DE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
NIEHOFF Wolfgang, Auf der Horst 9c, 30900 Wedemark, DE, DE (Residence), DE (Nationality), (Designated only for: US)
Legal Representative:
RABUS Werner W (agent), Eisenfuhr, Speiser & Partner, Martinistrasse 24, 28195 Bremen, DE,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200193631 A2-A3 20011206 (WO 0193631)
Application: WO 2001EP5331 20010510 (PCT/WO EP0105331)
Priority Application: DE 10026474 20000527
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: German
Filing Language: German
Fulltext Word Count: 2485

Main International Patent Class: **H04R-023/00**
International Patent Class: **H04R-007/02**

English Abstract
The invention relates to a transducer that is provided with a **membrane** , especially to an **electroacoustic transducer** with a **membrane** (4), such as particularly a microphone, a loudspeaker or a headset. The aim of the...

12/3,K/14 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00762840 **Image available**
METHOD FOR PRODUCING MEMBRANES **FOR** ELECTROACOUSTIC TRANSDUCERS **AND** MEMBRANES **OBTAINED BY THIS METHOD**
PROCEDE DE FABRICATION DE MEMBRANES POUR TRANSDUCTEURS ELECTRO-ACOUSTIQUES ET MEMBRANES AINSI OBTENUES
VERFAHREN ZUR HERSTELLUNG VON MEMBRANEN FUR ELEKTROAKUSTISCHE WANDLER SOWIE MEMBRANEN
Patent Applicant/Assignee:
ROHM GMBH, Kirschenallee, D-64293 Darmstadt, DE, DE (Residence), DE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
ROOSEN Dirk, Sudetenstrasse 27, D-64572 Buttelborn, DE, DE (Residence), DE (Nationality), (Designated only for: US)
MAIER Leonhard, Leipziger Ring 425, D-63110 Nieder-Roden, DE, DE (Residence), DE (Nationality), (Designated only for: US)
SEIBERT Hermann, Trippstadter Strasse 8, D-67663 Kaiserslautern, DE, DE

(Residence), DE (Nationality), (Designated only for: US)
Patent and Priority Information (Country, Number, Date):
Patent: WO 200076269 A1 20001214 (WO 0076269)
Application: WO 2000EP4703 20000524 (PCT/WO EP0004703)
Priority Application: DE 19925787 19990605
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: German
Filing Language: German
Fulltext Word Count: 4513

METHOD FOR PRODUCING MEMBRANES **FOR** ELECTROACOUSTIC TRANSDUCERS **AND** MEMBRANES **OBTAINED BY THIS METHOD**
Main International Patent Class: **H04R-007/10**
International Patent Class: **H04R-031/00** ...

English Abstract
The invention relates to a method for producing a **membrane** for **electroacoustic transducers** , comprising a core layer (3) consisting of poly(meth)acrylimide foam and at least one...

12/3,K/15 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00458131 **Image available**
ELECTRONIC APPLIANCE COMPRISING AN ELECTROACOUSTIC TRANSDUCER
APPAREIL ELECTRONIQUE COMPRENANT UN TRANSDUCTEUR ELECTRO-ACOUSTIQUE
Patent Applicant/Assignee:
MAXON SYSTEMS INC (LONDON) LTD,
TAYLOR David,
Inventor(s):
TAYLOR David,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9848595 A1 19981029
Application: WO 97GB1114 19970422 (PCT/WO GB9701114)
Priority Application: WO 97GB1114 19970422
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
KR US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 2043

Main International Patent Class: **H04R-001/02**
Fulltext Availability:
Detailed Description

Detailed Description
... a collar of said electroacoustic

transducer. The collar forms or encompasses the edge of the **membrane** of the **electroacoustic transducer** . Depending on the actual shape and structure of the electroacoustic transducer, it is however also...for said electroacoustic transducer 12, More specifically, this acoustic chamber 24 is limited by the **membrane** 36 of the **electroacoustic transducer** 12 on the one side, by the part 22 of the casing 16 extending through...

?

18/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00957306 **Image available**
ELECTROSTRICTIVE BENDING TRANSDUCER
TRANSDUCTEUR EN FLEXION ELECTROSTRICTIF
Patent Applicant/Assignee:
NEW TRANSDUCERS LIMITED, 37 Ixworth Place, London SW3 3QH, GB, GB (Residence), GB (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
BREAM Charles, New Transducers Limited, Cygnet House, Kingfisher Way, Hinchingbrooke Business Park, Huntingdon, Cambridgeshire PE29 6FW, GB, GB (Residence), GB (Nationality), (Designated only for: US)
BANK Graham, New Transducers Limited, Cygnet House, Kingfisher Way, Hinchingbrooke Business Park, Huntingdon, Cambridgeshire PE29 6FW, GB, GB (Residence), GB (Nationality), (Designated only for: US)
Legal Representative:
MAGUIRE Boss (agent), 5 Crown Street, St. Ives, Cambridgeshire PE27 5EB, GB,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200291492 A2-A3 20021114 (WO 0291492)
Application: WO 2002GB2033 20020503 (PCT/WO GB0202033)
Priority Application: GB 200111003 20010504
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 2168

International Patent Class: **H04R-017/00**
Fulltext Availability:
Detailed Description

Detailed Description
... actuator to be low so as
to allow effective reproduction of bass tones by the **loudspeaker** . In accordance with conventional bending
theory, this is achieved by **reducing** the moment of **inertia** (also known as the
?

21/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01026375
METHOD AND APPARATUS FOR FORMATTING THE DIGITAL AUDIO SIGNAL FOR USE OF THE SOUND REPRODUCTION
VERFAHREN UND VORRICHTUNG ZUR FORMATIERUNG VON NUMERISCHEN TONSIGNALEN ZUR ANWENDUNG BEI TONWIEDERGABE
PROCEDE ET APPAREIL POUR FORMATER LE SIGNAL AUDIO NUMERIQUE POUR L'USAGE DE LA REPRODUCTION SONORE
PATENT ASSIGNEE:
Perrichon, Claude Annie, (1408891), 6, rue des Escoffiers, 38080 L'Isle d'Abeau, (FR), (Proprietor designated states: all)
Charbonneaux, Marc, (2490110), 6, rue Dumenge, 69004 Lyon, (FR), (Proprietor designated states: all)
Piccaluga, Pierre, (1044613), 6, rue des Escoffiers, 38080 L'Isle d'Abeau , (FR), (Proprietor designated states: all)
INVENTOR:
PICCALUGA, Pierre, 6, rue des Escoffiers, F-38080 L'Isle d'Abeau, (FR)
LEGAL REPRESENTATIVE:
Cabinet Hirsch (101611), 34, Rue de Bassano, 75008 Paris, (FR)
PATENT (CC, No, Kind, Date): EP 995336 A1 000426 (Basic)
EP 995336 B1 011219
WO 9903303 990121
APPLICATION (CC, No, Date): EP 98935101 980706; WO 98FR1437 980706
PRIORITY (CC, No, Date): FR 978822 970707
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: H04R-003/04
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): French; French; French
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200151	274
CLAIMS B	(German)	200151	259
CLAIMS B	(French)	200151	273
SPEC B	(French)	200151	1307
Total word count - document A			0
Total word count - document B			2113
Total word count - documents A + B			2113

...CLAIMS terminals of at least one electro-acoustic transducer from an original signal of a digital **recorder** or a digital **sound** medium into a new digital sound audio **signal** whose **original** signals are **copied** and reproduced at **higher frequencies** created by specific samplers for each of the copied signals, characterised in that the phase...

21/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00390620 **Image available**
PC AUDIO SYSTEM WITH FREQUENCY COMPENSATED WAVETABLE DATA
SYSTEME AUDIO DE MICRO-ORDINATEUR A COMPENSATION EN FREQUENCE DES DONNEES DE TABLEAUX D'ONDES
Patent Applicant/Assignee:

ADVANCED MICRO DEVICES INC,
Inventor(s):
HEWITT Larry,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9731363 A1 19970828
Application: WO 97US2811 19970221 (PCT/WO US9702811)
Priority Application: US 96604558 19960221
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
JP KR AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 6788

Fulltext Availability:
Detailed Description

Detailed Description
... samples at the same frequency as the sampling frequency used during analog-to-digital conversion (**recording**) of the original **audio** signal, then when the audio signals generated by the DSP are converted to analog and...

...resulting audio signal will sound the same (i.e., have the same frequency) as the **original** audio **signal** used to create the data **samples** . When the frequency of the audio signal being played is the same as the recording...

...will have a higher pitch. For F. = 4, the generated audio signal is two octaves **higher** than the sampling **frequency** of the signal recorded.

If F@ = I for each of the active voices, then the...

21/3,K/3 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00336483 **Image available**
PC AUDIO SYSTEM WITH WAVETABLE CACHE
SYSTEME AUDIO POUR MICRO-ORDINATEUR AVEC ANTEMEMOIRE A TABLEAU DE SIGNAUX ANALOGIQUES
Patent Applicant/Assignee:
ADVANCED MICRO DEVICES INC,
Inventor(s):
HEWITT Larry,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9618995 A1 19960620
Application: WO 95US14347 19951102 (PCT/WO US9514347)
Priority Application: US 94354337 19941212; US 94356753 19941215; US 94363485 19941223; US 95511085 19950804; US 95511124 19950804; US 95511421 19950804; US 95511427 19950804
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
JP KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 8764
Fulltext Availability:
Detailed Description

Detailed Description
... samples at the same frequency as the sampling frequency used during analog-to-digital conversion (**recording**) of the original **audio** signal, then when the audio signals generated by the DSP are converted to analog and...

...resulting audio signal will sound the same (i.e., have the same frequency) as the **original** audio **signal** used to create the data **samples** . When the frequency of the audio signal being played is the same as the recording generated audio signal is two octaves **higher** than the sampling **frequency** of the signal recorded.

If F, = 1 for each of the active voices, then the...
?

File 9:Business & Industry(R) Jul/1994-2004/Oct 12
(c) 2004 The Gale Group
File 15:ABI/Inform(R) 1971-2004/Oct 13
(c) 2004 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2004/Oct 13
(c) 2004 The Gale Group
File 20:Dialog Global Reporter 1997-2004/Oct 13
(c) 2004 The Dialog Corp.
File 47:Gale Group Magazine DB(TM) 1959-2004/Oct 13
(c) 2004 The Gale group
File 75:TGG Management Contents(R) 86-2004/Oct W1
(c) 2004 The Gale Group
File 80:TGG Aerospace/Def.Mkts(R) 1986-2004/Oct 13
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File 88:Gale Group Business A.R.T.S. 1976-2004/Oct 12
(c) 2004 The Gale Group
File 98:General Sci Abs/Full-Text 1984-2004/Aug
(c) 2004 The HW Wilson Co.
File 112:UBM Industry News 1998-2004/Jan 27
(c) 2004 United Business Media
File 141:Readers Guide 1983-2004/Aug
(c) 2004 The HW Wilson Co
File 148:Gale Group Trade & Industry DB 1976-2004/Oct 12
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File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/Oct 13
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File 553:Wilson Bus. Abs. FullText 1982-2004/Aug
(c) 2004 The HW Wilson Co
File 570:Gale Group MARS(R) 1984-2004/Oct 13
(c) 2004 The Gale Group
File 608:KR/T Bus.News. 1992-2004/Oct 13
(c)2004 Knight Ridder/Tribune Bus News
File 620:EIU:Viewswire 2004/Oct 07
(c) 2004 Economist Intelligence Unit
File 613:PR Newswire 1999-2004/Oct 13
(c) 2004 PR Newswire Association Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Oct 13
(c) 2004 The Gale Group
File 623:Business Week 1985-2004/Oct 12
(c) 2004 The McGraw-Hill Companies Inc
File 624:McGraw-Hill Publications 1985-2004/Oct 12
(c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2004/Oct 12
(c) 2004 San Jose Mercury News
File 635:Business Dateline(R) 1985-2004/Oct 13
(c) 2004 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2004/Oct 13
(c) 2004 The Gale Group
File 647:CMP Computer Fulltext 1988-2004/Oct W1
(c) 2004 CMP Media, LLC
File 696:DIALOG Telecom. Newsletters 1995-2004/Oct 12
(c) 2004 The Dialog Corp.
File 674:Computer News Fulltext 1989-2004/Sep W1
(c) 2004 IDG Communications
File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 587:Jane`s Defense&Aerospace 2004/Aug W5
(c) 2004 Jane`s Information Group

Set	Items	Description
S1	92	(ELECTRO-ACOUSTIC OR ELECTROACOUSTIC)(3N)TRANSDUCER?
S2	793256	SPEAKER OR LOUDSPEAKER? OR (LOUD OR AUDIO)()SPEAKER??
S3	3155	DIGITAL(3N)SOUND?(3N)SIGNAL?
S4	148	ORIGINAL(3N)SIGNAL?(3N)(COPIES OR COPIED OR SAMPL?)
S5	0	S1(3N)MEMBRANE?
S6	121240	(DOUBL? OR RAIS? OR HEIGHT? OR INCREAS? OR HIGHER)(3N)FREQUENC?
S7	7863	(REDUC? OR COMPENSAT? OR CONTROL? OR MANAG? OR CHANG? OR ALTER? OR MODIF? OR ADJUST? OR CORRECT? OR MITIGAT?)(3N)(RUNAWAY? OR TRAIL?()EFFECT? OR INERTIA)
S8	522773	(SOUND OR AUDIO)(3N)(REPRODUC? OR RECORD?)
S9	35	FORMAT?(5N)S3
S10	0	S9(S)S6
S11	0	S9(S)S7
S12	190	(S1 OR S2)(S)S3
S13	14	S12(S)FORMAT?
S14	8	RD S13 (unique items)
S15	0	S7(S)S8
S16	0	S4(S)S6
S17	0	S12(S)S7
S18	0	AU=(PICCALUGA, P? OR PICCALUGA P?)

14/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

10694665 Supplier Number: 107276672 (USE FORMAT 7 FOR FULLTEXT)
Software radio.(Prototype: straight from the lab: technology's first draft)(Brief Article)
Technology Review (Cambridge, Mass.), v106, n7, p19(1)
Sept, 2003
Language: English Record Type: Fulltext
Article Type: Brief Article
Document Type: Magazine/Journal; Trade
Word Count: 197

... hardware, plus electronics that convert signals into digital representations. Vanu's software then decodes the **digital signals** and sends **sound** output to the iPaq's builtin **speaker** . In reverse, transmissions are encoded into a digital waveform particular to the desired **format** and sent to the radio hardware for transmission. Adding a new **format** requires only a software upgrade. The company hopes to commercialize the software for use by...

14/3,K/2 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

08498773 Supplier Number: 72951139 (USE FORMAT 7 FOR FULLTEXT)
Iwerks Entertainment Installs Large Format Theater at San Diego Natural History Museum.
Business Wire, p0299
April 9, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 744

... of-the-art show control.
This theater is the first installation of Iwerks' upgraded Large **Format** theater package, notable for simplified installation, fewer connections and mechanical parts, and streamlined **sound** and show control components.
" **Digital signal** processing technology has enabled us to reduce the number of equipment racks needed for Iwerks...

14/3,K/3 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04585200 Supplier Number: 46741140 (USE FORMAT 7 FOR FULLTEXT)
Toshiba Introduces its First DVD-Video Player in Japan
News Release, pN/A
Sept 26, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1026

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...of soundtrack and subtitles, Multi-aspect to optimize picture

reproduction in accordance with the screen **format** of the TV to which the player is connected, Multi-angle viewing, and Multi-story...

...the DVD player to a TV. And, by connecting Dolby digital bitstream output to the **speaker** via the amplifter with Dolby Digital (AC-3) decoder, realistic audio ambiance by Dolby Digital...

...The large capacity of 4.7 gigabytes achieves long storage time. with superior image and **sound** quality. By using MPEG2 high-quality **digital signal** image compression technology, a disc with the large capacity of 4.7 gigabytes can store...

...high-quality images. With a 4:3 TV, squeezed images are reproduced in Letter-box **format** or Pan & Scan. With Letter-box, wide-aspect images are displayed on a 4:3...Pan & Scan, some portions of wide-aspect images are deleted to fit a 4:3 **format** . 4. Multi-story function Multi-story function allows users to select the story development in...

14/3,K/4 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

35138120
Sony broadens Super Audio-CD offerings with dedicated changer and compatible DVD Dream Systems
CANADA NEWSWIRE
April 20, 2004
JOURNAL CODE: WCNW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 664

... TM) (Digital Infrared Audio Transmission System) technology, enabling wireless rear speakers. This sophisticated technology transfers **digital** audio **signals** without compression or compromise to **sound** quality. The new model incorporates two S-Master digital amplifiers and two new Dual Digital...

14/3,K/5 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

29652939
Treat Yourself, Visually
FINANCIAL EXPRESS
June 14, 2003
JOURNAL CODE: WFEX LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1570

... DVD player provides crystal clear digital video pictures even with the component or super video **signal** . Add to this, the **sound** quality of **Digital** Audio Sound Track including DTS along with 5.1 Channel Digital Dolby for an out...

14/3,K/6 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

05829964 SUPPLIER NUMBER: 63059110 (USE FORMAT 7 OR 9 FOR FULL TEXT)

INDUSTRY RESOURCES.
Entertainment Design, 34, 6, 3
June, 2000
ISSN: 1520-5150 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 36203 LINE COUNT: 11269

... Richard Godinez/Stephen Hendee
Manufacturer of tube-based compressors, equalizers, microphone preamplifiers, and recording channels; **digital signal** processors; time alignment delays, crossovers and graphic equalizers; and power amplifiers.

ARABESQUE SOFTWARE AND CONSULTING...and digital processing equipment for recording studios and broadcasting applications, and in fixed and live **sound** applications. In the US, the distributor is Transamerica Audio Group. The company is located in...

14/3,K/7 (Item 1 from file: 608)
DIALOG(R)File 608:KR/T Bus.News.

06648370 (USE FORMAT 7 OR 9 FOR FULLTEXT)
(B) OPINION: Freedom Struck Out when Americans Played Baseball in Cuba
March 31, 1999
DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH
WORD COUNT: 916

...TEXT: by Fidel Castro's regime.
Sen. Patrick Leahy said the March 28 matchup (to be **followed** by one in Baltimore) should precipitate a review of American policy toward Cuba. The game sent a **signal** that "the majority of **the** people of the two countries have no animosity toward each other," the Vermont Democrat said ...

...League Baseball Commissioner Bud Selig.
With the game televised on Cuban television and the ESPN **network** in the United States, Castro was able to sanitize his image before millions without making...

...be seen.
But several points are already clear. Castro appeared to many Americans as an **unfairly** maligned dictator. And, despite denials to the contrary, baseball has become a diplomatic instrument.
BASEBALL...

...their government's policies because of Leahy's pronouncement? Will Castro liberalize his views because **of** baseball diplomacy?
WHEN THE Orioles scored in the 11th inning, ending the game, fans stood...

14/3,K/8 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)

2463334 437575571
HIGH TECH All Stars: Vanu Bose, Practicing wireless 'black magic'
Dinan, Elizabeth

Mass High Tech v21n43 pS8
Oct 27, 2003
WORD COUNT: 724
DATELINE: Massachusetts

TEXT:

...to transmit walkie-talkie and digital police-band signals. The signals are converted into digital **format** before Bose's software decodes the **digital signals** and sends **sound** through the iPaq's **speaker** . The process works in reverse and Vanu Inc. plans to market it to police and... ?